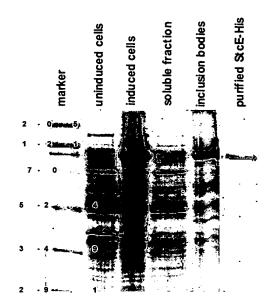
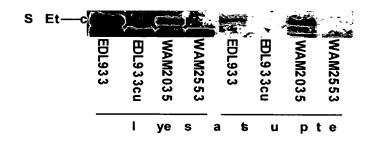


Lysates of *E. coli* strains containing pO157 induce the aggregation of Jurkat cells, while non-pO157-containing *E. coli* lysates do not aggregate the same cells.

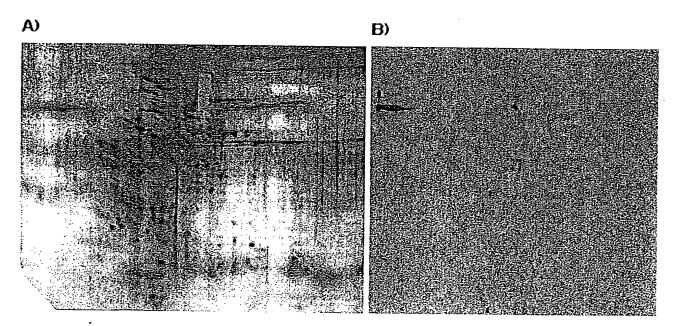
FIG. 1



Purification of StcE-His from WAM2572



StcE is produced by strains of *E. coli* that carry pO157 but not in strains that lack pO157 or have a transposon insertion in *stcE*.



StcE – His interacts with a human serum protein(s) of approximately 105 kDa.

FIG. 4

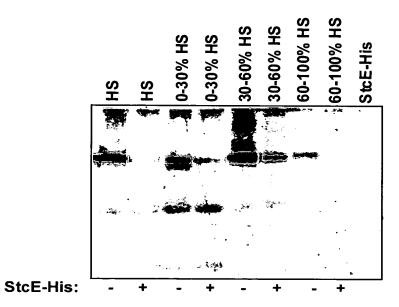
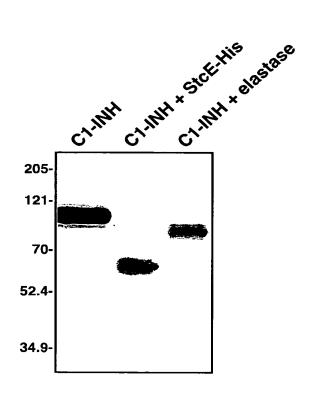
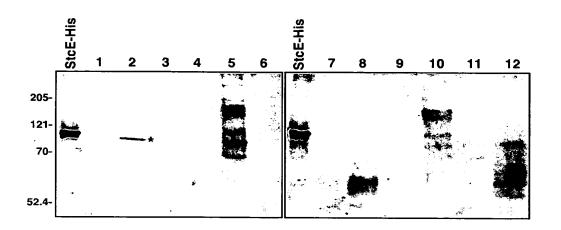


Figure 5. StcE-His cleaves C1 inhibitor in human serum.

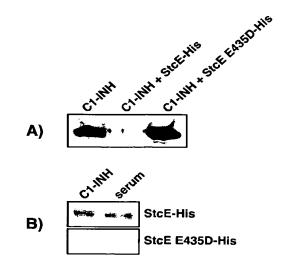


Differential digestion patterns of C1-INH by StcE-His and P. aeruginosa elastase.



Detection of StcE in fecal filtrates from children with diarrhea.

FIG. 7



StcE E435D-His lacks proteolytic activity against and the ability to bind to C1-INH.

FIGS. 8A AND 8B

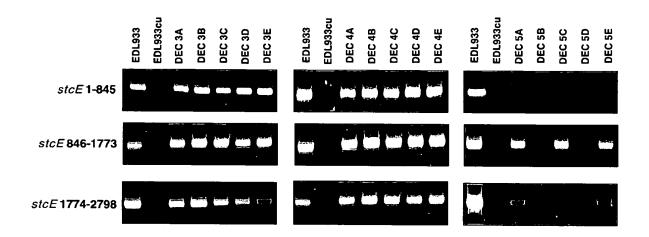
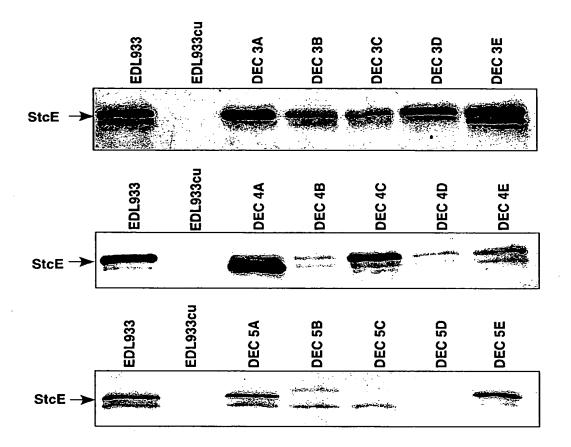
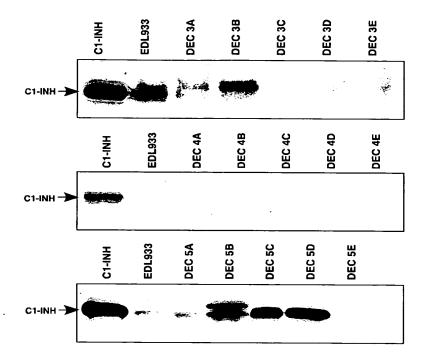


Figure 9. PCR analysis of stcE in the DEC collection.



Detection of StcE in bacterial-conditioned culture supernatants.

FIG. 10



Detection of C1-INH proteolytic activity in bacterial-conditioned culture supernatants.

FIG. 11

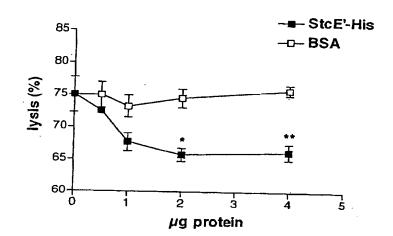
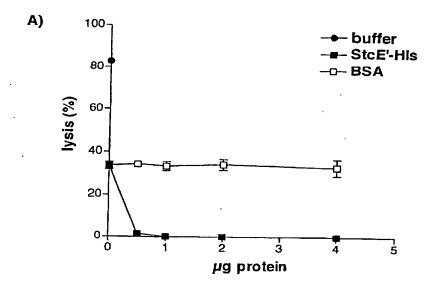


FIG. 12



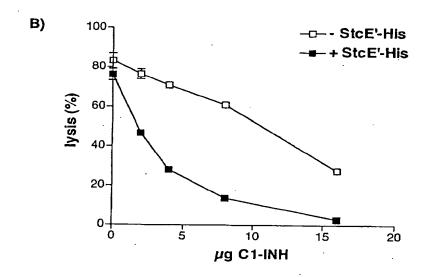
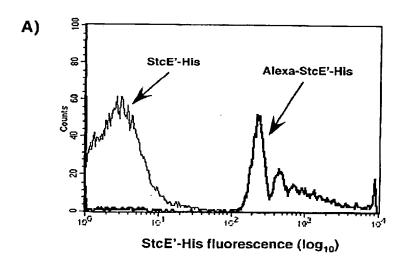


FIG. 13



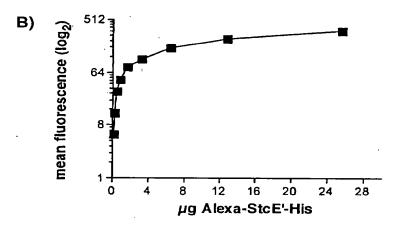


FIG. 14

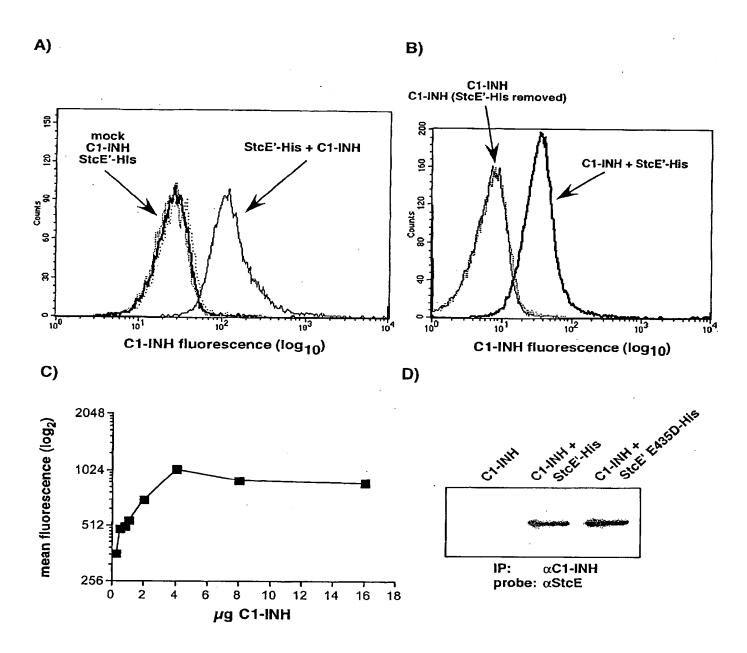
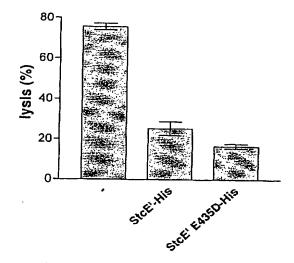


FIG. 15

A)



B)

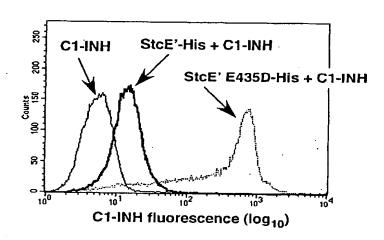
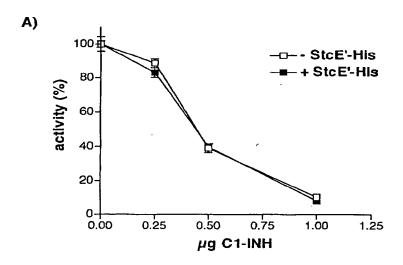


FIG. 16



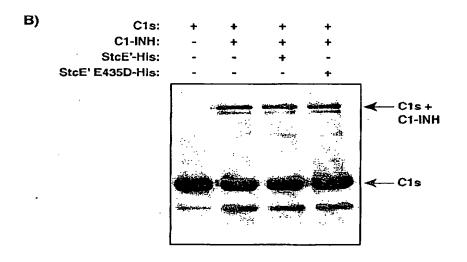


FIG. 17

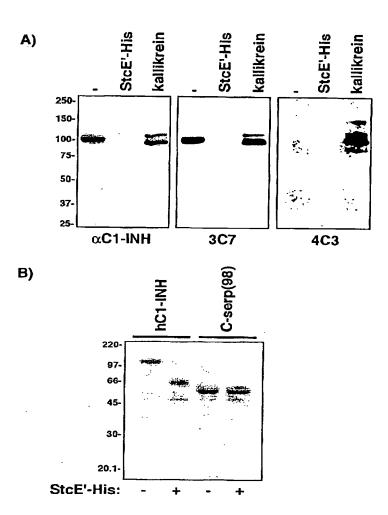


FIG. 18

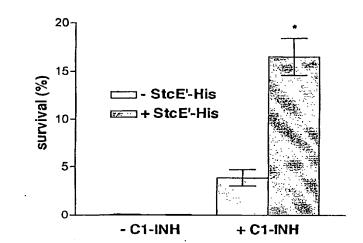


FIG. 19

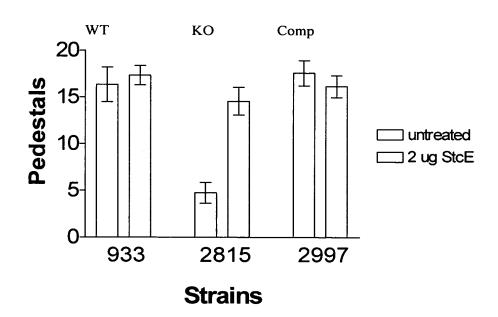


FIG. 20

StcE reduces saliva viscosity 66% compared to water

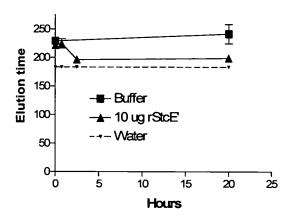


FIG. 21



FIG. 22

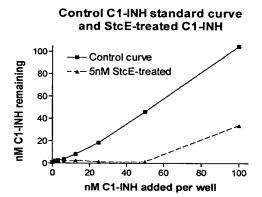


FIG. 23